

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph on page 11, lines 22-28, and replace it with the following amended paragraph:

FIGURE 9. Endocytosis of DEC-205. Ultrastructural analysis of DEC-205 on dendritic cells with polyclonal rabbit anti-DEC-205 F(ab')₂ fragments and 10 nm gold-labeled goat anti-rabbit IgG (Amersham). The bars represent 100 μ m. Symbols: MVV, multivesicular endosome; Ly, Lysosome; CP, coated pit; 0', fixation at time zero (Figure 9A); 1', fixation after a one-minute incubation at 37°C (Figure 9B); 5', fixation after a five-minute incubation at 37°C; 20', fixation after a twenty-minute incubation at 37°C; 60', fixation after a sixty-minute incubation at 37°C (Figure 9C).

Please delete the paragraph on page 14, line 27 - page 15, line 8, and replace it with the following amended paragraph:

FIGURE 20 19. Expression of DEC-205 in the thymus and in lymph nodes. (a-c): Low power of thymus cortex and medulla (M), stained with: monoclonal NLDC-145 (a); polyclonal anti-DEC-205 F(ab')₂ fragments (b); and polyclonal anti-DEC-205 IgG (c), all at 10 μ g/ml, and counterstained with hematoxylin. Presumptive dendritic cells (*arrowheads*) are scattered throughout the medulla, but the strongest thymic staining is on cortical epithelium. (d-f): Low power views of a mesenteric lymph node, showing a B cell follicle (B), the T cell area of the deep cortex (T), and the medulla (M), stained with: mAb NLDC-145 (d), polyclonal anti-DEC-205 F(ab')₂ fragments (e), and polyclonal anti-DEC-205 IgG (f). Darkly-stained dendritic cells are distributed throughout the T cell areas. (g-i): Higher power views to show the distribution of DEC-205 at the junction of the thymic cortex and medulla (g), within the deep cortex of a lymph node (h, a venule is *arrowed*), and in B cell follicles (i, no hematoxylin counterstain).

Please delete the paragraph on page 15, lines 10-20, and replace it with the following amended paragraph:

FIGURE 21 20. Expression of DEC-205 in the spleen. (*a-c*): Low power views of a splenic white pulp nodule, stained with antibodies to: B cells (rabbit anti-Ig β , *a*); DEC-205 (polyclonal anti-DEC-205 IgG, *b*), and class II MHC proteins (mAb M5/114, *c*). The central arteries within the T cell areas are arrowed. The T cell areas contain few B cells (*a*, anti-Ig β), but numerous scattered DEC-205- and class II MHC-positive dendritic cells (*b-c*). B cell follicles are denoted with a “B”, and the marginal sinus by arrowheads. (*d-e*): Higher power views of splenic T cell areas (periarterial sheaths, central arteries are arrowed) stained with: mAb NLDC-145 (*d*), polyclonal anti-DEC-205 (*e*), and anti-class II MHC (*f*). Staining for DEC-205 has a punctate quality, in addition to the more prominent staining of dendritic cell bodies.

Please delete the paragraph on page 15, line 22 - page 16, line 6, and replace it with the following amended paragraph:

FIGURE 22 21. Expression of DEC-205 in several nonlymphoid organs. (*a-d*): Brain capillaries (*arrows*, *a-c*) and small arteries (*arrow*, *d*), stained with: mAb NLDC-145 (*a*), polyclonal anti-DEC-205 F(ab')₂ fragments (*b*), and polyclonal anti-DEC-205 IgG (*c-d*). (*e-h*): Lung, showing anti-DEC-205 staining of airway epithelium (*arrows*, *e* and *h*), isolated cells within the lung parenchyma (*arrowheads*, *g* and *h*), and some presumptive alveolar macrophages (*, *h*). Class II MHC proteins (*f*) are not evident within airway epithelium, but there are many positive profiles surrounding the airways (*arrowheads*, *f*). (*i*): An extruded plug of bone marrow. Lacy stromal cells (*arrows*) express low levels of DEC-205. The darker staining of round cells is background staining by peroxidase-expressing eosinophils. (*j*): Tongue, showing DEC-205 staining of a minority of presumptive Langerhans cells (*arrows*) at suprabasal levels within the oral epithelium, shown as an example of a stratified squamous epithelium. (*k, l*): Jejunum: DEC-205 is expressed by the absorptive epithelial cells of the intestinal villi, with the highest levels observed at the apices of the villi. Numerous cells within the lamina propria also stain darkly, but this staining is again a background of eosinophil peroxidase.

Please delete the paragraph on page 16, lines 8-12, and replace it with the following amended paragraph:

FIGURE ~~23~~ 22. Tissue distribution of DEC-205 by immunoblotting. Lysates of the indicated organs were blotted to compare relative levels of expression of DEC-205 protein (*A*, filter stained with mAb NLDC-145) and the LAMP-1 lysosomal membrane antigen (*B*, filter stained with mAb 1D4B). Fifty μ g of total protein were loaded in each lane.